

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **0428786218**  
**Status:** **Active**  
**Overview:** Magnetic and Modular Jacks/Plugs  
**Description:** Modular Jack, Vertical, Low Profile, 6/6

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-42878-492-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Test Summary TS-42878-001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-42878-001 (PDF)</a>	

**Agency Certification**

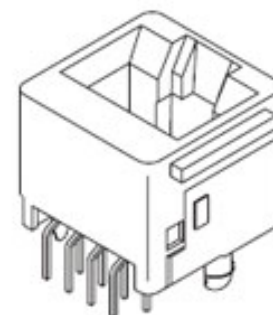
CSA	LR19980
UL	E107635

**General**

Product Family	Modular Jacks/Plugs
Series	<u>42878</u>
Comments	Flush Mount Flangeless 2 PCB Thick
Component Type	PCB Jack
Magnetic	No
Overview	<u>Magnetic and Modular Jacks/Plugs</u>
Performance Category	3
Power over Ethernet (PoE)	N/A
Product Name	Modular Jack 6/6
UPC	800753753198

**Physical**

Boot Color	N/A
Color - Resin	Black
Durability (mating cycles max)	500
Flammability	94V-0
Inverted / Top Latch	N/A
Jack Height	12.70mm
Lightpipes/LEDs	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	1.956/g
Orientation	Vertical (Top Entry)
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm
Packaging Type	Tray
Pitch - Mating Interface	1.02mm
Pitch - Termination Interface	1.27mm
Plating min - Mating	1.270µm
Plating min - Termination	2.540µm
Port Configuration	1x1
Positions / Loaded Contacts	6/6
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +85°C
Termination Interface: Style	Through Hole
Waterproof / Dustproof	No
Wire/Cable Type	N/A



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[42878 Series](#)

**Mates With**

FCC 68 Plugs

**Electrical**

Current - Maximum per Contact	1.5A
Shielded	No
Voltage - Maximum	150V AC (RMS)

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	005
Lead-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	235

**Material Info****Reference - Drawing Numbers**

Packaging Specification	PK-42878-492-001
Product Specification	PS-42878-001
Sales Drawing	SDA-42878-XXXX-002, SDA-42878-XXXX-004
Test Summary	TS-42878-001-001

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